

PROJECT STATUS REPORT

INSTRUCTIONS

ITEM 8 Entries will be taken from codes listed on ~~XXXXXXXXXXXXXXX~~ page 3.

ITEM 20 Enter concise project progress information sufficiently complete so that reference to other reports will not be necessary. Changes in program scheduling should be fully explained. If additional space is required, a separate 8 x 10 1/2 sheet will be used. Identify particular report and mark proper security classifications.

1. PROGRAM STRUCTURE		2. PROJECT NR OR SYSTEM TEST OBJ NR		3. TASK, ESP OR TEST NUMBER	
ESP 921A				64B02	
4. AFFTC PROJECT DIRECTIVE NR		5. AFSC PRIORITY		6. REPORTING PERIOD	
64-26		75A		October 1963	
7. TITLE AND OBJECTIVE					
SUPPORT ASD C-130/XM551 DROP TESTS					
To determine the capability of C-130B and C-130E aircraft to air drop the XM551 (AR/AAV) vehicle and to evaluate the rigging components and rigging method proposed by the Army.					
8. SCHEDULE		CURRENT FY <u>64</u>		FY <u>65</u>	
		J A S O N D J F M A M J		J A S O N D J F M A M J	
CURRENT SCHEDULE					
NEW SCHEDULE					
CHG CODE		S T T C X R			
9. FIRST FLIGHT/TEST		10. LATEST FLIGHT/TEST		11. FINAL FLIGHT/TEST	
12. TOTAL FLIGHT HRS REQ		13. ACFT SERIAL NR			
14. % PLANNING COMPLETED		15. % INSTRUMENTATION COMPLETED		16. % TESTING COMPLETED	
10/0		10/0		70/0	
17. % DATA REDUCTION COMPLETED		18. % REPORT COMPLETED		19. % TOTAL COMPLETED	
5/0		5/0		100/1	
20. REMARKS					

LIC 9344 WSC 3

A meeting concerning this program was held at Yuma Test Station, Yuma, Arizona on 30 October 1963. This program is a joint U. S. Army and U. S. Air Force effort. The primary purpose of this program is to determine if the XM551 vehicle can be safely dropped from C-130B and C-130E aircraft. A secondary purpose is to determine if the rigging components and rigging method specified by the Army can be safely used for aerial delivery of the XM551 vehicle. This will be accomplished by conducting "static pull tests" prior to aerial drop. Two preliminary drops using a weight platform and three drops using the XM551 vehicle will be conducted during December 1963 and January 1964, provided a suitable aircraft is made available to this Group by ASD. Additional tests will be conducted if sufficient data are not collected on the five scheduled drops to qualify the XM551 vehicle for air drop. The 6511th Test Group will be responsible for providing the aerial drop function, conducting preliminary ground tests to determine if dacron webbing can be safely used to restrain the XM551 vehicle for aerial drop, furnishing non-standard extraction components as approved by ASD, providing aircrews to conduct the tests, providing photographic coverage required by the 6511th Test Group and ASD, recovering the XM551 vehicle after drop, providing recovery parachutes, collecting and reducing the data required by ASD, reducing the data collected by the Army, and assigning a project engineer who will control the program.

21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER
31 October 1963	FTLGC/262	Captain R. P. Hastings

AFFTC

FORM
AUG 62

Approved For Release 2002/11/08 : CIA-RDP75B00285R000400020029-5

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20. REMARKS

LIC 9341

Tests completed: 4

Tests documented: 7

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test	Photo
F-106B - 6	T-38 - 3
	F-104 - 20
	F-106B - 2

Test	Photo
F-106B - 3	F-106B - 2
	F-106D - 6
	T-38 - 7
	T-33 - 4

This project is classified.

21. DATE

31 October 1963

22. OFFICE SYMBOL AND TELEPHONE EXT

FTLGM/266

23. SIGNATURE OF PROJECT OFFICER

CWO Charles O. Laine

AFFTC

FORM
AUG 62

29

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1. PROGRAM STRUCTURE 921A		2. PROJECT NR OR SYSTEM TEST OBJ NR		3. TASK, ESP OR TEST NUMBER 60B23	
4. AFFTC PROJECT DIRECTIVE NR 60-215		5. AFSC PRIORITY 75A		6. REPORTING PERIOD October 1963	
7. TITLE AND OBJECTIVE SUPPORT MISCELLANEOUS AIR FORCE TASKS To support minor, non-reimbursable Air Force tasks on a continuing basis. (Gemini Full Pressure Suit, 2C-2)					
8. SCHEDULE					
CURRENT FY 64					
FY 65					
FY 66 QTRS					
FY 67 QTRS					
J A S O N D J F M A M J J A S O N D J F M A M J 1st 2d 3d 4th 1st 2d 3d 4th					
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C O N T I N U I N G					
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				Continuing	

20. REMARKS

LIC 9110 WSC 3

Three live parachute jump tests were made from the ramp of a C-130 aircraft at 12,500-ft. pressure altitude and 110 KIAS. The purpose of the tests was to determine the comfort, maneuverability, ease of donning and foot support provided by the pressure suit footgear. CWO Laine free fell for 55 seconds on each test. Main parachute recovery was made at approximately 4000-ft. pressure altitude. The suit was considered satisfactory for live jumps except that an abnormal amount of perspiration formed on the head and in the gloves. U. S. Navy and U. S. Air Force test parachutists free fell with CWO Laine to obtain 16mm motion picture coverage of the tests. The motion picture coverage obtained was used to brief the astronauts on the art of stable prone free fall procedures. The Gemini Full Pressure Suit, 2C-2 was worn on all tests.

21. DATE

31 October 1963

22. OFFICE SYMBOL AND TELEPHONE EXT

FTLGM/266

23. SIGNATURE OF PROJECT OFFICER

Charles O. Laine
CWO Charles O. Laine

AFFTC

FORM
AUG 62

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921A				62B01																													
4. AFMTC PROJECT DIRECTIVE NR		5. AFSC PRIORITY		6. REPORTING PERIOD																													
62-17		20F		October 1963																													
7. TITLE AND OBJECTIVE EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE) To determine the opening reliability of a multi-stage parachute assembly to be used by parachutist from high altitudes.																																	
8. SCHEDULE		CURRENT FY 64																															
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10/90		5/90		70/90		10/90		5/0		100/85																							

20. REMARKS

LIC 9121

WSC 3

Tests completed: 225

Tests documented: 227

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test	Photo
C-130 = 56.1	T-28 = 23.4
B-66 = 36.0	T-33 = 61.0
	B-57 = 6.0
	F-104 = 1.5
	F-100 = 18.0
	H-21 = 19.0
	T-38 = 4.0

Test	Photo
C-130 = 13.0	

No tests. This project is being held in abeyance by the AFSC Project Officer.

21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER
31 October 1963	FTLGM/266	<i>Charles O. Laine</i> CWO Charles O. Laine